

Review Form 1.7

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_103976
Title of the Manuscript:	Standardization of media for propagation of Bougainvillea (Bougainvillea comm. Ex Juss.) : Root parameters
Type of the Article	Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p>	<p>1. it is important to investigate the standardization of media for the propagation of Bougainvillea (Bougainvillea comm. Ex Juss.). This is because standardizing the growth media used for propagation ensures that the conditions are consistent across different batches and locations. This consistency leads to more predictable and reliable results in terms of seed germination and plant growth. Additionally, standardization of media facilitates mass production of the Bougainvillea plants, which is beneficial for nurseries, horticultural businesses, and landscaping purposes. Furthermore, using standardized media makes propagation processes more efficient, and the time required for seed germination and plant development can be minimized. The aim of this work is to investigate the media treatments on characters that have relevant effects to shoot and root growth and also the development of Bougainvillea. Among other results, the author found that among the media treatments studied soil, sand, and cocopeat recorded the maximum sprouting percentage and survival percentage.</p> <p>2. In my opinion, the following title is more appropriate as it avoids punctuation: <i>"Root Parameter Investigation in Standardized Media for Bougainvillea (Bougainvillea comm. Ex Juss.) Propagation"</i>.</p> <p>3. Yes, even if, to make the work more attractive, I would have explained the issue to be faced very briefly, already in the first sentence, and then show the findings obtained in this work. On the contrary, the author started to describe the results without justifying the motivations that prompted him to carry out this study.</p> <p>4 In my opinion, what is written in the manuscript is fine. However, a section reporting the statistical analysis of the experimental data is missing. Furthermore, as mentioned, the study of the standardization of substrates for the propagation of Bougainvillea is important to improve the efficiency and constancy of plant production. However, it is also essential to recognize some of the main drawbacks and challenges encountered during the investigation process. There is no section about it.</p> <p>5. Yes, even if the statistical analysis of the results obtained is missing.</p> <p>6. The list of references is not exhaustive and should definitively be completed. The author is invited to consult the works cited in [1] Shashi Kiran Minj, Pooja Gupta, Rajnish Kumar Sahu, and Madhavi Khilari, <i>Standardization of media for propagation of Bougainvillea (Bougainvillea comm. Ex Juss.)</i>, The Pharma Innovation Journal, 12(5), 927 (2023). Additionally, the following works are also worth considering: [2] Mohammed Ahmed Ali Fadwa, Hamid Ali Elbasheer Yahia. <i>Vegetative propagation of Peltophorium petrocarpum (DC) Backer ex k. Heyne: A multi-purpose tree</i>, Net Journal of Agricultural Science, 2(4), 113 (2014). [3] Okunlola Al. <i>The effects of cutting types and length on rooting of Duranta repentina the Nursery</i>, Global Journal of Human Social Science, Geography, Geosciences, Environmental, and Disaster Management, 13(3),1 (2013). [4] Gupta VN, BK Banerj, SK Datta, <i>Effect of auxin on rooting and sprouting behavior of stem cuttings of Bougainvillea under mist</i>, Haryana Journal of Horticulture Sciences, 31, 42 (2002). [5] Singh KK, JMS Rawat, YK Tomor, <i>Influence of indole butyric acid (IBA) on rooting potential of Torch Glory Bougainvillea glabra during winter seasons</i>, Journal of Horticulture Science and Ornamental Plants, 3(2), 162 (2011).</p> <p>7a. Please, take into account the suggestions mentioned in above point 4. 7b. Please, highlight the added value of the results reported in the present study compared to</p>	

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7. Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments.	the ones mentioned in the previous point 6., ref. [1].	
Minor REVISION comments 1. Is language/English quality of the article suitable for scholarly communications?	1. Please, check English; several typos were found.	
Optional/General comments		

PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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